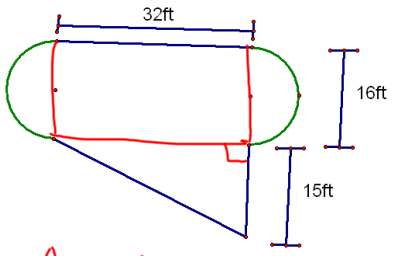
11.4 Areas of Irregular Figures

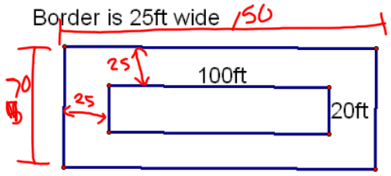


$A_C + A_R + A_\Delta$

$64\pi + 32 \cdot 16 + \frac{1}{2} 15 \cdot 32$

$\approx 953.1 \text{ ft}^2$

Border is 25ft wide 150



Find the area of the border.

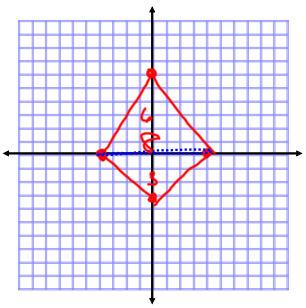
$A_{Long} - A_{sm}$

$150 \cdot 70 - 100 \cdot 20$

8500 ft^2

Find the area of a quadrilateral with the following coordinates:

(-4, 0)
(0, 6)
(4, 0)
(0, -3)



$\frac{1}{2}bh$

$\frac{1}{2} 8 \cdot 6 + \frac{1}{2} 8 \cdot 3$

$24 + 12$

$= 36 u^2$

Hw
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8-18, 20